UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/660,167	09/11/2003	Paul Reuben Day	ROC920030144US1	7591

30206   7590   06/22/2007
IBM CORPORATION
ROCHESTER IP LAW DEPT. 917
3605 HIGHWAY 52 NORTH
ROCHESTER, MN 55901-7829

EXAMINER
PHAM, MICHAEL

ART UNIT	PAPER NUMBER
2167	

MAIL DATE	DELIVERY MODE
06/22/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
Interview Summary	10/660,167	DAY ET AL.
	Examiner	Art Unit
	Michael D. Pham M.P.	2167

All participants (applicant, applicant's representative, PTO personnel):

(1) _Michael D. Pham_.

(3)_Scott A. Stinebruner (reg #: 38323)_ .

(2) _Cam Y Truong_.

(4)_____.

Date of Interview: _20 June 2007_.

Type: a)☒ Telephonic   b)☐ Video Conference
c)☐ Personal [copy given to: 1)☐ applicant   2)☐ applicant's representative]

Exhibit shown or demonstration conducted: d)☐ Yes   e)☒ No.
If Yes, brief description: _____.

Claim(s) discussed: _Claim 7_.

Identification of prior art discussed: _Thai_.

Agreement with respect to the claims f)☐ was reached. g)☐ was not reached. h)☒ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: _Applicant's representative explained the proposed amendments with respect to the novelty of the invention. The examiners concluded that the Thai reference does not appear to teach the proposed amendment; however reserve the right to further review the reference. The examiners suggested to remove the commas appearing before and after both the words "primary" and "background" for clarity_ .

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

_____
Examiner's signature, if required

WOOD, HERRON & EVANS, L.L.P.

BRUCE TITTEL
DAVID S. STALLARD
J. ROBERT CHAMBERS
GREGORY J. LUNN
KURT L. GROSSMAN
CLEMENT H. LUKEN, JR.
THOMAS J. BURGER
GREGORY F. AHRENS
WAYNE L. JACOBS
KURT A. SUMME
KEVIN G. ROONEY
KEITH R. HAUPT
THEODORE R. REMAKLUS
THOMAS W. HUMPHREY
SCOTT A. STINEBRUNER
DAVID H. BRINKMAN
BEVERLY A. LYMAN, PH.D.
KRISTI L. DAVIDSON
KATHRYN E. SMITH
P. ANDREW BLATT, PH.D.
DAVID E. JEFFERIES
J. DWIGHT POFFENBERGER, JR.
WILLIAM R. ALLEN, PH.D.

OF COUNSEL
JOHN D. POFFENBERGER
DAVID J. JOSEPHIC
DONALD F. FREI
THOMAS W. FLYNN
BRADLEY D. BECK

2700 CAREW TOWER

441 VINE STREET

CINCINNATI, OHIO 45202-2917

TELEPHONE: 513-241-2324

FACSIMILE: 513-241-6234

WEBSITE: www.whepatent.com

PATENT, TRADEMARK, COPYRIGHT
AND UNFAIR COMPETITION LAW
AND RELATED LITIGATION

EDMUND P. WOOD   1923-1968
TRUMAN A. HERRON   1935-1976
EDWARD B. EVANS   1936-1971

JOSEPH R. JORDAN
C. RICHARD EBY

JOHN PAUL DAVIS
DOUGLAS A. SCHOLER
BRETT A. SCHATZ
DAVID W. DORTON
SARAH OTTE GRABER
STEVEN W. BENINTENDI, PH.D.
RANDALL S. JACKSON, JR.
ADAM R. WEEKS
CHARLES R. FIGER, JR.
KEVIN E. KUEHN

PATENT AGENTS
ANA C. JACQUEZ
MICHAEL H. SCHENKER

June 19, 2007

FACSIMILE COVER SHEET

To: Examiner Michael Pham
        Art Unit 2167
        The United States Patent and Trademark
        Office

Fax: 571-273-3924
        Enclosures:
        Fax Cover Sheet containing Certificate of
            Facsimile Transmission (1 page)
        Agenda and Proposed Amendments
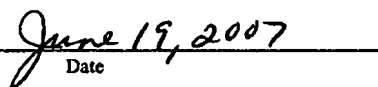   · (1 page)

From: Scott A. Stinebruner

Re: Application No. 10/660,167
        Filed: September 11, 2003
        Applicant: Paul Reuben Day et al.
        Confirmation No. 7591
        Attorney Docket No. ROC920030144US1
        Our File: IBM/256

Pages: 2 (including cover sheet)

MESSAGE/COMMENTS

Interview Agenda attached.

Agenda and Proposed Amendments

S/N 10/660,167

Agenda

-Discuss Claim Objections

-Discuss 101 Rejections

-Discuss 102 Rejections based upon Thai, in view of proposed amendment to claim 7

Proposed Amendments

7. (Currently Amended) A method for executing a query that evaluates one or more records of a table according to predetermined selection criteria, comprising the steps of:

initializing a bitmap having a plurality of elements, ~~wherein~~ each element of the bitmap ~~corresponds~~ corresponding to a record of the table, and each element ~~is~~ initialized to an active value;

running a first, primary, task that individually retrieves each of the one or more records from storage according to whether the corresponding element of the bitmap has an active value;

running, concurrently with the first task, a second, background, task that is associated with the same query as the first task and that updates the bitmap by setting to an inactive value the respective element of the bitmap corresponding to any record that does not satisfy at least a portion of the selection criteria, ~~wherein the first and second tasks are associated with the same query~~ including:

scanning a column of the table using an index built over the column, wherein the portion of the selection criteria relates to record values within the column;

determining a set of records whose record values within the column do not satisfy the portion of the selection criteria; and

concurrently with the first task individually retrieving records from storage having correspoding active-value bitmap elements, changing the respective corresponding bitmap element to an inactive value for each record within the set of records; and

continuing to run the first task until all records from the table, having a corresponding active-value bitmap element, have been retrieved from storage, including accessing the bitmap in the first task before at least one element is set to an inactive value by the second task to determine whether to retrieve a record from storage;

~~wherein the first task accesses the bitmap before at least one element is set to an inactive value by the second task to determine whether to retrieve a record from storage.~~